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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/716,648		11/19/2003	Robert Koelliker	3061.ELO	7662	
35157	7590	03/22/2005		EXAMINER		
		TARCH AND CHE	CHAN, SING P			
	P.O. BOX 6500 BRIDGEWATER, NJ 08807-3300				PAPER NUMBER	
		,		1734		
				DATE MAILED: 03/22/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)		$\overline{}$				
Office Action Summan	10/716,648	KOELLIKER ET A	AL.					
Office Action Summary	Examiner	Art Unit						
	Sing P Chan	1734						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☐ This action is FINAL. 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro		e merits is					
Disposition of Claims								
 4a) Of the above claim(s) 1-7 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) 8-18 is/are rejected. 7) ☒ Claim(s) 9 and 10 is/are objected to. 	Di⊠ Claim(s) <u>8-18</u> is/are rejected.							
Application Papers								
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 19 November 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 								
Priority under 35 U.S.C. § 119		•						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/23/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate	O-152)					

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-7, drawn to a hydraulic fixing agent, classified in class 106, subclass 606.
 - II. Claims 8-18, drawn to a method for reducing the cohesion of a layer of bonded fixing agent, classified in class 156, subclass 344.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions are the hydraulic fixing agent, which is used for bonding and coating a substrate and a method of using aqueous sulphate and/or aluminum salt solution to reduce the cohesion and to remove the fixing agent.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the search required for Group I is not required for Group II, and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 4. During a telephone conversation with Charles W. Almer on February 7, 2005 a provisional election was made without traverse to prosecute the invention of group II, claims 8-18. Affirmation of this election must be made by applicant in replying to this

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Office action. Claims 1-7 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Objections

6. Claims 9 and 10 objected to because of the following informalities: In claim 9, line 2, "and/or" should be "and," claim 9, line 3, "aqueous solution" should be "aqueous solution of an aluminum salt," and claim 10, line 1, "aqueous solution" should be "aqueous sulphate solution." Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 7. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 8. Claims 8-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 8, which recited a hydraulic fixing agent of a nonelected claim 1.

A recitation of the limitation from claim 1 is required.

9. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since

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the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 8 recites the broad recitation of the solution has a pH of at least 7.5, and the claim also recites a range of pH of 9-14 which is the narrower statement of the range/limitation.

10. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74

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(Bd. App. 1961); Ex parte Hall, 83 USPQ 38 (Bd. App. 1948); and Ex parte Hasche, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 10 recites the broad recitation solution concentration of 0.1-30% wt, and the claim also recites solution concentration of 1-20% wt which is the narrower statement of the range/limitation.

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- 11. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 10 recites the broad recitation a solution concentration of 0.1-70% wt, and the claim also recites 1-50% wt which is the narrower statement of the range/limitation.
- 12. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and

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Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 15 recites the broad recitation textile material is hydrophilic, and the claim also recites textile material is cellulose, cellulose acetate, cotton, hemp, jute, sisal, flax, plastic, and microfibers which is the narrower statement of the range/limitation.

13. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86

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USPQ 481 (Bd. App. 1949). In the present instance, claim 16 recites the broad recitation covering layer, and the claim also recites ceramic tiles, plastic, glass, metal, wood panels, color coating, and textile materials which is the narrower statement of the range/limitation.

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- 14. A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in *Ex parte Wu*, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of *Ex parte Steigewald*, 131 USPQ 74 (Bd. App. 1961); *Ex parte Hall*, 83 USPQ 38 (Bd. App. 1948); and *Ex parte Hasche*, 86 USPQ 481 (Bd. App. 1949). In the present instance, claim 18 recites the broad recitation at least 5 hours, and the claim also recites 12 to 48 hours which is the narrower statement of the range/limitation.
- 15. Claim 15 recited "optionally surface coated, and/or so-called microfibres." It is unclear if the claim required surface coating on the textile material or the microfibres. The examiner suggests " and/or surface coated or uncoated microfibres."

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16. Claim 17 recites the limitation "the subsurface" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Allowable Subject Matter

- 17. Claims 8-18 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- 18. The following is a statement of reasons for the indication of allowable subject matter: The claims recite a method of reducing the adhesion of a layer of hydraulic fixing agent. The method includes treating a bonded fixing agent comprising Portland cement, a sulphate, and aluminum component with an adhesive pull strength of at least 0.15N/mm² when acted upon by water for 40 hours and 0.10 N/mm² when acted upon by an aqueous sulphate solution and/or aqueous solution of an aluminum salt with a pH value of 12.5 for 40 hours to reduce the cohesion, treating the fixing agent with an aqueous sulphate solution and/or an aqueous solution of an aluminum salt with a pH of at least 7.5, and removing the bonded fixing agent. Gregor (De 3,215,777) discloses a hydraulic binder comprising Portland cement, alumina cement and calcium sulphate, which would has an adhesive pull strength at least 0.15N/mm² when acted upon by water for 40 hours and 0.10 N/mm² when acted upon by an aqueous sulphate solution and/or aqueous solution of an aluminum salt with a pH value of 12.5 for 40 hours. (See English abstract of DE 3,215,777) Gregor does not disclose treating the bonded binder with an aqueous sulphate solution and/or an aqueous solution of an aluminum salt with a pH of at least 7.5, and removing the bonded binder. A search of the prior art of record did not disclose reference or references in combination with the recited feathers.

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12:00PM-4:00PM.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sing P Chan whose telephone number is 571-272-1225. The examiner can normally be reached on Monday-Friday 7:30AM-11:00AM and

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher A Fiorilla can be reached on 571-272-1187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chan Sing Po

CHRIS FIORILLA
SUPERVISORY PATENT EXAMINER

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